

Table ENG-3. - Building Site Development

Essex County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Atlee	80	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
2A:							
Augusta	90	Somewhat limited Depth to saturated zone	0.98	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.98
Munden		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
3A:							
Bibb	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
Catpoint		Not Rated		Not Rated		Not Rated	
Rappahanock		Not Rated		Not Rated		Not Rated	
4A:							
Bojac	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
5A:							
Bolling	90	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone	0.39
Molena		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6B:							
Catpoint	90	Not limited		Somewhat limited Depth to saturated zone		0.15 Not limited	
Munden		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
7A:							
Chickahominy	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Ponded soils		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
8A:							
Dogue	85	Somewhat limited Shrink-swell	0.50	Very limited Depth to saturated zone	1.00	Somewhat limited Shrink-swell	0.50
		Depth to saturated zone	0.07	Shrink-swell	0.50	Depth to saturated zone	0.07
Chickahominy		Not Rated		Not Rated		Not Rated	
Newflat		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
9A:							
Emporia	90	Not limited		Somewhat limited Depth to saturated zone		0.73 Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
9B:							
Emporia	90	Not limited		Somewhat limited Depth to saturated zone		0.73 Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	
9C:								
Emporia	80	Not limited		Somewhat limited Depth to saturated zone		0.73	Very limited Slope	1.00
Kempsville		Not Rated		Not Rated			Not Rated	
Slagle		Not Rated		Not Rated			Not Rated	
10A:								
Kempsville	80	Not limited		Not limited			Not limited	
Emporia		Not Rated		Not Rated			Not Rated	
Slagle		Not Rated		Not Rated			Not Rated	
Suffolk		Not Rated		Not Rated			Not Rated	
10B:								
Kempsville	80	Not limited		Not limited			Not limited	
Emporia		Not Rated		Not Rated			Not Rated	
Slagle		Not Rated		Not Rated			Not Rated	
Suffolk		Not Rated		Not Rated			Not Rated	
10C:								
Kempsville	95	Not limited		Not limited			Very limited Slope	1.00
Emporia		Not Rated		Not Rated			Not Rated	
11A:								
Levy	95	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00	
		Flooding	1.00	Flooding	1.00	Flooding	1.00	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00	
Rappahannock		Not Rated		Not Rated			Not Rated	
12A:								
Molena	85	Not limited		Not limited			Not limited	
Munden		Not Rated		Not Rated			Not Rated	
Pamunkey		Not Rated		Not Rated			Not Rated	
12B:								
Molena	85	Not limited		Not limited			Not limited	

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12B:							
Munden		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
13A:							
Munden	80	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
Bojac		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
14A:							
Newflat	85	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50
Chickahominy		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
15A:							
Pamunkey	90	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bolling		Not Rated		Not Rated		Not Rated	
Molena		Not Rated		Not Rated		Not Rated	
16:							
Pits	100	Not Rated		Not Rated		Not Rated	
17A:							
Rappahannock	70	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00
18B:							
Rumford	90	Not limited		Not limited		Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19E:							
Rumford	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Emporia	30	Very limited Slope	1.00	Very limited Slope Depth to saturated zone	1.00 0.73	Very limited Slope	1.00
Bibb		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
20D:							
Rumford	45	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Slagle	25	Somewhat limited Slope Depth to saturated zone	0.37 0.07	Very limited Depth to saturated zone Shrink-swell Slope	1.00 0.50 0.37	Very limited Slope Depth to saturated zone	1.00 0.07
Bibb		Not Rated		Not Rated		Not Rated	
Dogue		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
21B:							
Slagle	80	Somewhat limited Depth to saturated zone	0.07	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone	0.07
Atlee		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
21C:							
Slagle	80	Somewhat limited Depth to saturated zone	0.07	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Slope Depth to saturated zone	1.00 0.07
Emporia		Not Rated		Not Rated		Not Rated	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21C: Kempsville		Not Rated		Not Rated		Not Rated	
22A: State	90	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bojac		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
22B: State	90	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bojac		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
23A: Suffolk	90	Not limited		Not limited		Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
23B: Suffolk	90	Not limited		Not limited		Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
24A: Tetotum	80	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
24B: Tetotum	80	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
24B:							
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
25A:							
Tomotley	80	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Augusta		Not Rated		Not Rated		Not Rated	
Chickahominy		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	